CONSTRUCTION DETAILS

A. Install base mounted NEMA 6 cabinet/controller, and necessary equipment for an electrical service to be determined in the field.
B. Install 27 ft. steel twin mast arm pole with two 50 ft. mast arms, vehicle signal heads, signs, video detector, 15 ft. luminaire arm, and 250 watt HPS luminaire (Note: one 3 in. PVC conduit bend).
C. Install 27 ft. steel mast arm pole with 50 ft. and 70 ft. mast arms, vehicle signal heads, sign, video detectors, 15 ft. luminaire arm, and 250 watt HPS luminaire (Note: one 3 in. PVC conduit bend).
D. Install 14 ft. steel pedestal pole on break away base with vehicle signal head (Note: one 2 in. PVC conduit bend).
F. Install 10 ft. steel pedestal pole on break away base with a pedestrian signal head (Note: one 2 in. PVC conduit bend).
G. Install 10 ft. steel pedestal pole on break away base with pedestrian signal heads, pedestrian pushbutton, and pushbutton sign (Note: one 2 in. PVC conduit bend).
H. Install handhole.
J. Install 2 in. polyvinyl chloride [Schedule 80] electrical conduit - trenched.
K. Install 2 in. polyvinyl chloride [Schedule 80] electrical conduit - trenched during construction.
L. Install 2 in. polyvinyl chloride [Schedule 80] electrical conduit - bored.
M. Install 3 in. polyvinyl chloride [Schedule 80] electrical conduit - trenched.
N. Install 3 in. polyvinyl chloride [Schedule 80] electrical conduit - trenched during construction.
O. Install 4 in. polyvinyl chloride [Schedule 80] electrical conduit - trenched.
Q. Install 4 in. polyvinyl chloride [Schedule 80] electrical conduit - bored.
R. Install 4 in. polyvinyl chloride [Schedule 80] electrical conduit - slotted in roadway.
T. Install 12 in. wide pavement marking - white for crosswalk.
U. Install 24 in. wide pavement marking - white for stop line.
V. Video camera detector zone.
X. Remove existing steel strain pole and all attached equipment.
Y. Remove existing handhole.
Z. Existing street light structure to be removed by others.
b. Proposed underground electrical service to be determined in the field.
c. Cap and abandon existing conduit.
d. Abandon existing loop detector.
e. Use existing cabinet. Splice new interconnect cable to existing interconnect cable. Existing controller to be removed.
f. Use existing handhole.
g. Use existing conduit.
h. Install ground mounted sign as shown.
m. Install 4 in. polyvinyl chloride [Schedule 80] electrical conduit - trenched during construction.

PROPOSED SIGNS

32
Key West Ave
West Montgomery Ave
D-3(1)
32" x VAR.

33
West Montgomery Ave
Key West Ave
D-3(1)
32" x VAR.

27a
West Gude Dr
27b
West Gude Dr
D-3(1)
16" x Var.
(Dual Face)

30a
Fallsgrove Dr
30b
Fallsgrove Dr
D-3(1)
16" x Var.
(Dual Face)

34
EAST MARYLAND 28
Shield Assem.
24" x 51"
Black Non-reflective background (Typ.)

35
WEST MARYLAND 28
Shield Assem.
36" x 75"
Black Non-reflective background (Typ.)

36
WEST MARYLAND 28
Shield Assem.
24" x 51"
Black Non-reflective background (Typ.)

37
EAST MARYLAND 28
Shield Assem.
36" x 75"
Black Non-reflective background (Typ.)

26,28,29,31
ONLY
R 3-5(L)
30" x 36"

R 10-4(1)
9" x 12"
(To Be Installed With Pushbutton)

PROPOSED SIGNALS

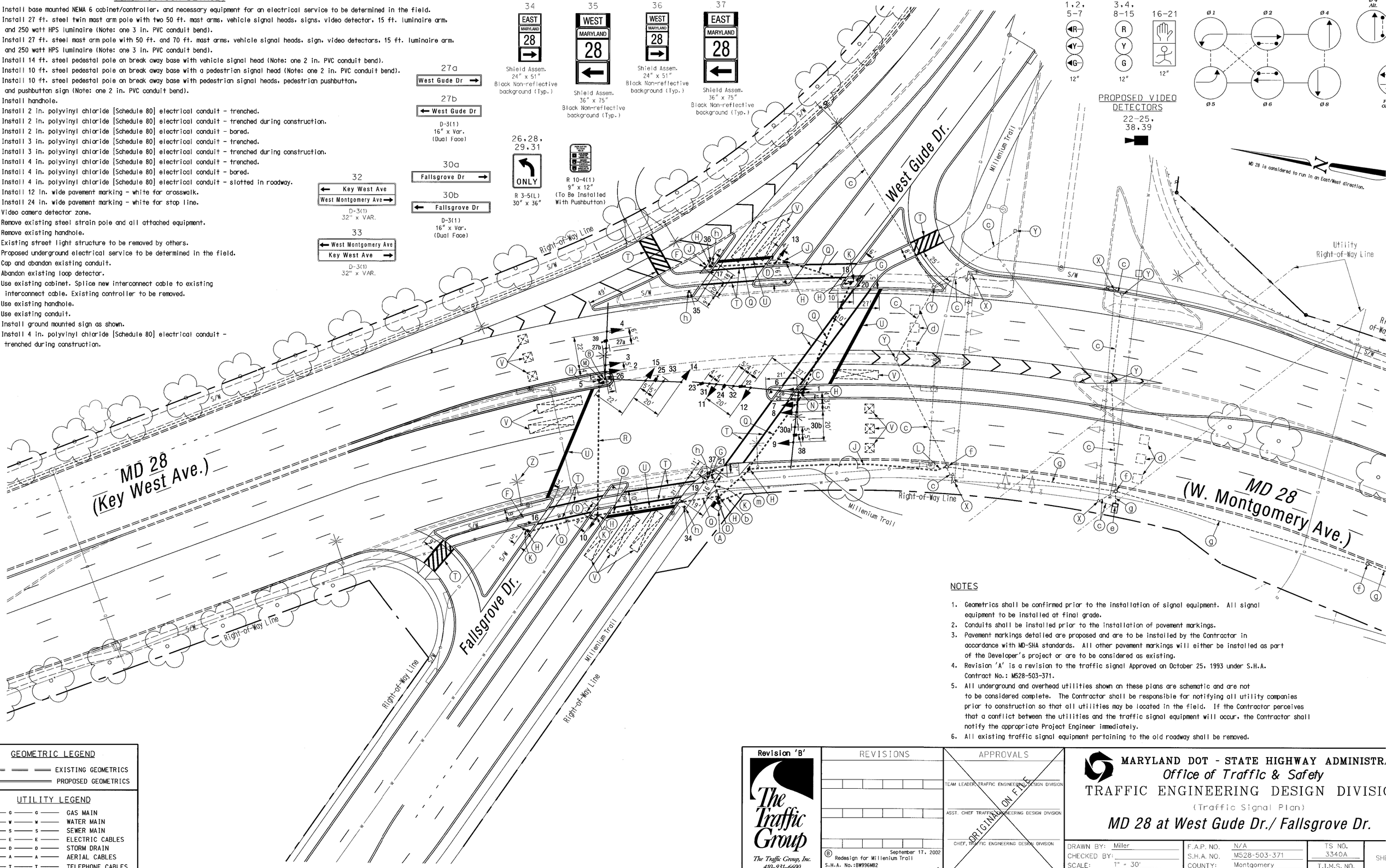
1,2, 5-7 — R, Y, G — 12"
3,4, 8-15 — R, Y, G — 12"
16-21 — 12"

PROPOSED VIDEO DETECTORS

22-25, 38,39

PROPOSED NEMA PHASING

Ø1 Ø2 Ø4 Ø4 Alt.
Ø5 Ø6 Ø8



NOTES

1. Geometrics shall be confirmed prior to the installation of signal equipment. All signal equipment to be installed at final grade.
2. Conduits shall be installed prior to the installation of pavement markings.
3. Pavement markings detailed are proposed and are to be installed by the Contractor in accordance with MD-SHA standards. All other pavement markings will either be installed as part of the Developer's project or are to be considered as existing.
4. Revision 'A' is a revision to the traffic signal Approved on October 25, 1993 under S.H.A. Contract No.: M528-503-371.
5. All underground and overhead utilities shown on these plans are schematic and are not to be considered complete. The Contractor shall be responsible for notifying all utility companies prior to construction so that all utilities may be located in the field. If the Contractor perceives that a conflict between the utilities and the traffic signal equipment will occur, the Contractor shall notify the appropriate Project Engineer immediately.
6. All existing traffic signal equipment pertaining to the old roadway shall be removed.

GEOMETRIC LEGEND

EXISTING GEOMETRICS
PROPOSED GEOMETRICS

UTILITY LEGEND

G — G — GAS MAIN
W — W — WATER MAIN
S — S — SEWER MAIN
E — E — ELECTRIC CABLES
D — D — STORM DRAIN
A — A — AERIAL CABLES
T — T — TELEPHONE CABLES

Revision 'B'

The Traffic Group
The Traffic Group, Inc.
410-931-6600
Fax 410-931-6601

REVISIONS

Ⓑ Redesign for Millenium Trail — September 17, 2002
S.H.A. No.:BW996M82
JES

APPROVALS

TEAM LEADER, TRAFFIC ENGINEERING DESIGN DIVISION
ASST. CHIEF TRAFFIC ENGINEERING DESIGN DIVISION
CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION
DIRECTOR, TRAFFIC & SAFETY
ORIGINAL ON FILE

MARYLAND DOT - STATE HIGHWAY ADMINISTRA
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISIO
(Traffic Signal Plan)
MD 28 at West Gude Dr./ Fallsgrove Dr.

DRAWN BY: Miller	F.A.P. NO. N/A	TS NO. 3340A	
CHECKED BY:	S.H.A. NO. M528-503-371	T.I.M.S. NO. E183	SH
SCALE: 1" = 30'	COUNTY: Montgomery		
DATE: October 25, 1993	LOG MILE: 15002824.09		